

WANAQUE LANDFILL  
AKA UNION AVENUE LANDFILL  
UNION AVE., WANAQUE, PASSAIC COUNTY  
EPA ID # NJD0980772024

The Wanaque Landfill (aka Union Avenue Landfill) is located on Union Ave. in Wanaque, Passaic County. The landfill operated from the 1960's until 1981, but it has never been closed by the DEP. The Passaic County Board of Education bought the property from Wanaque Borough in 1982 to build a vocational/technical school on the property. Explosive levels of methane were detected around the school in 1983 and construction was halted until the problem could be alleviated. However, measures taken to amend the problem were unsuccessful.

Monitor wells were installed in 1982 but were not sampled according to the NJPDES permit (#0053899) until March 1987, when a directive was issued to the Board of Education by the DEP. The results of this sampling episode have not yet been reported.

In 1984, Keegan Technology and Testing Associates were contracted by the Board of Education to determine environmental conditions around the site. Analysis of groundwater samples taken from the on site wells revealed the presence of TCE, tetrachloroethylene and toluene. The highest levels of contamination were present in wells 1 and 5 which are considered upgradient wells and draw from the lower aquifer consisting of pre-Cambrian granites and gneisses. Since the contaminants were present in upgradient wells it was believed the contamination was a result of uncontrolled dumping north of the landfill or vandalism to one of the wells. However, a downgradient well screened in the upper aquifer revealed the presence of toluene. Presampling assessments in February and March 1987 by Bureau of Planning and Assessment personnel also revealed that the wells considered upgradient do not actually monitor upgradient conditions as landfilling operations seem to have occurred more than 100 yards north of these wells. Groundwater flow in this area is to the south. Subsequent analysis in 1986 again revealed contamination in both upgradient and downgradient wells. It is also possible that the landfill may be a source of contamination of Pompton Lakes public Well #3 which is approximately .75 miles southeast of the landfill. There are also numerous private wells in the area which could be potentially contaminated. Two wells on an adjacent property were sampled by the NJDEP/Division of Water Resources/Northern Field Office in March 1987 and analysis of these samples revealed the presence of volatile organic chemicals including trans-1,2-dichloroethene and 1,2-dichlorobenzene.

During the initial investigation of the site by Keegan, surface water samples were also taken from around the site and nearby properties. Analysis of the samples revealed the presence of arsenic, selenium, nitrates, chlorides and iron. All surface water from the landfill, including leachate, eventually flows to Kearfott Lake which is directly south of the landfill.



It has also been alleged that beryllium wastes were disposed at the landfill on numerous occasions in the past although no evidence exists to support the allegations.

It should also be noted that during the presampling assessments by BPA personnel, soil gas conditions around the site were determined using portable survey instruments including the HNu photoionization detector and OVA flame ionization detector. Readings on the instruments were observed throughout the site which also gives rise to the possibility that hazardous substances are present.



# Site Inspection Report

Wanaque Landfill  
AKA: Union Ave. Landfill  
Union Ave.  
Wanaque, Passaic County



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION	
01 STATE NJ	02 SITE NUMBER D980772024

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Wanaque Landfill (aka: Union Ave Landfill)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Union Ave				
03 CITY Wanaque		04 STATE NJ	05 ZIP CODE	06 COUNTY Passaic	07 COUNTY CODE	08 CONG DIST
09 COORDINATES 41° 01' 09" LATITUDE 74° 18' 30" LONGITUDE		10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input checked="" type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN				

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 8, 5, 87 MONTH DAY YEAR	02 SITE STATUS <input type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> INACTIVE	03 YEARS OF OPERATION 1960's 11981 BEGINNING YEAR ENDING YEAR	
04 AGENCY PERFORMING INSPECTION (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR <input checked="" type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR <input type="checkbox"/> G. OTHER			

05 CHIEF INSPECTOR Richard Gervasio	06 TITLE Supervisory Environmental Technician	07 ORGANIZATION NJDEP/DWM/BPA	08 TELEPHONE NO. 609 292-3242
09 OTHER INSPECTORS Debra Mazur	10 TITLE HSMS III	11 ORGANIZATION NJDEP/HWM/BPA	12 TELEPHONE NO. 609 984-3239
Donna Gaffigan	HSMS IV	NJDEP/HWM/BPA	609 984-3239
Christina Holstrom	HSMS IV	NJDEP/HWM/BPA	609 633-2215
Lisa Tracy	Environmental Specialist	NJDEP/WR/NFO	201 299-7592
Norman Davis	HSMS IV	NJDEP/HWM/BPA	609 984-3239
13 SITE REPRESENTATIVES INTERVIEWED Robert Beretsky	14 TITLE HSMS IV	15 ADDRESS NJDEP/HWM/BPA	16 TELEPHONE NO. 609 984-3014
			( )
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one) <input type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION 0820-1500	19 WEATHER CONDITIONS Cloudy, steady rain, 70°F
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IV. INFORMATION AVAILABLE FROM

01 CONTACT Lisa Tracy	02 OF (Agency/Organization) NJDEP/DWR/Northern Field Office		03 TELEPHONE NO. 201 299-7592
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Robert Beretsky	05 AGENCY NJDEP	06 ORGANIZATION DHWM/BPA	07 TELEPHONE NO. 609-984-3014
08 DATE 8, 10, 87 MONTH DAY YEAR			



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER D980772024

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

☒ A SOLID  
☒ B. POWDER, FINES  
☐ C SLUDGE  
☐ D. OTHER (Specify) \_\_\_\_\_  
☐ E. SLURRY  
☒ F. LIQUID  
☐ G. GAS

02 WASTE QUANTITY AT SITE

(Measures of waste quantities must be independently)

TONS \_\_\_\_\_  
CUBIC YARDS \_\_\_\_\_  
NO. OF DRUMS \_\_\_\_\_

03 WASTE CHARACTERISTICS (Check all that apply)

☒ A TOXIC  
☐ B CORROSIVE  
☐ C RADIOACTIVE  
☒ D PERSISTENT  
☐ E SOLUBLE  
☐ F INFECTIOUS  
☒ G FLAMMABLE  
☒ H IGNITABLE  
☒ I. HIGHLY VOLATILE  
☒ J. EXPLOSIVE  
☐ K. REACTIVE  
☐ L. INCOMPATIBLE  
☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	Unknown		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	Unknown		
IOC	INORGANIC CHEMICALS	Unknown		
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	Unknown		

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Cadmium	7440-43-9	Monitor well	2.0	ppm
MES	Beryllium	7440-41-7	Wastes buried in bags	Unknown	
SOL	Trichloroethylene	79-01-6	Monitor well	810	ppb
OCC	Bis(2-ethylhexyl)phthalate	117-81-7	Monitor well	650	ppb
SOL	Tetrachloroethylene	127-18-4	Monitor well	111	ppb
SOL	Trans 1,2-dichloroethylene	540-59-0	Monitor well	55	ppb
OCC	di-n-octyl phthalate	999	Monitor well	25	ppb
MES	iron	999	Monitor well	25.3	ppm
MES	arsenic	7440-38-2	Surface water	3	ppb
OCC	Toluene	108-883-3	Monitor well	1.6	ppb
MES	Lead	7439-90-9	Monitor well	.150	ppm

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (See specific references, e.g., state laws, sample analysis reports)



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION  
01 STATE 02 SITE NUMBER  
NJD 980772024

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE: numerous) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Analysis of monitor wells at the site revealed the presence of cadmium and organic chemicals including TCE and tetrachloroethylene.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☒ OBSERVED (DATE: 9/5/84) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Analysis of surface water around the landfill revealed the presence of heavy metals including arsenic and iron. All surface water near the landfill and the upper aquifer beneath the landfill drain to Kearfott Lake which is used recreationally.

01 ☒ C. CONTAMINATION OF AIR 02 ☒ OBSERVED (DATE: Numerous) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Explosive levels of methane gas were detected around the site. Construction of a new school at the site was halted because of the high methane levels.

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☒ OBSERVED (DATE: numerous) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Explosive levels of methane gas were detected around the site. Construction of a new school at the site was halted because of high methane levels.

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Private citizens or workers could come into contact with contaminated leachate or hazardous wastes disposed at the landfill because of lack of security at the site.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: \_\_\_\_\_ (Acres) 04 NARRATIVE DESCRIPTION

Soil in the area could be contaminated by leachate and runoff from the landfill.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Public supplies and domestic potable wells in the area could be contaminated by wastes from the landfill.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

A potential exists for workers in the area to be exposed or injured by wastes at the landfill.

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

An area resident alleged that he became ill by odors possibly coming from the landfill.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NJ 980772024

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

High levels of landfill gases could damage flora in the vicinity of the landfill. Aquatic plants could also be damaged by drainage from the landfill coming into contact with surface water.

01 ☒ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION (include names of species)

Aquatic organisms could be damaged by contaminated drainage from the landfill coming into contact with surface water.

01 ☒ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

The food chain could be contaminated by bioaccumulation of heavy metals from the landfill in aquatic organisms.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES 02 ☒ OBSERVED (DATE: 2/11 and 3/25/97) ☐ POTENTIAL ☐ ALLEGED  
(Spills, Runoff, Standing liquids, Leaking drums)

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Beryllium and other chemical wastes were allegedly disposed in the landfill in the past. Inspections by DEP personnel revealed that wastes, including 55 gallon drums were disposed beyond the landfill boundaries.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY 02 ☒ OBSERVED (DATE: Numerous) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

Drainage from the landfill contaminated nearby surface water.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

Contaminated runoff and leachate could contaminate storm drains in the area.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☒ ALLEGED  
04 NARRATIVE DESCRIPTION

Beryllium and other chemical wastes were allegedly disposed in the landfill in the past.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

IV. COMMENTS

A NJPDES permit to install and sample monitor wells was issued to the Passaic County Board of Education. The wells were not sampled according to the permit until March, 1987. No results of this analysis are available. Analysis of nearby private wells has revealed low levels of contamination.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, laboratory reports, etc.)

NJDEP - Hazardous Waste Management/Bureau of Planning and Assessment - Preliminary Assessment.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION  
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE NJD 02 SITE NUMBER 980772024

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input checked="" type="checkbox"/> A. NPDES	0053899			Monitor well permit
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input type="checkbox"/> I. OTHER (Specify)				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	partially built
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input type="checkbox"/> C. CHEMICAL/PHYSICAL	school
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	06 AREA OF SITE
<input checked="" type="checkbox"/> F. LANDFILL	Unknown		<input type="checkbox"/> F. SOLVENT RECOVERY	35 (Acres)
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input type="checkbox"/> I. OTHER (Specify)				

07 COMMENTS

The landfill which operated from the 1960's to 1981 was purchased by the Passaic County Board of Education to build a special needs school on the site. Explosive levels of methane caused construction of the school to be halted in 1983. Analysis of groundwater and surface water revealed contamination on the site. Public and private wells in the area are potentially threatened.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

The site is a former landfill which operated from the 1960's to 1981. It appears that landfilling operations exceeded the boundaries of the actual landfill. Inspections by DEP personnel revealed approximately 30 x 55 gallon drums were disposed around the landfill. Many more drums may be buried within the fill. It has also been alleged that hazardous substances, including beryllium were disposed at the landfill.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS

A fence, which is in poor condition, only borders the front of the site which makes the site easily accessible from the sides and rear. Security is only present at the

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, culture analysis, reports) site for a few hours a week.

NJDEP/Hazardous Waste Management/Bureau of Planning and Assessment - Preliminary Assessment and Observations.





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NJ 980772024

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY  
(Check as applicable)

SURFACE WELL  
COMMUNITY A. ☐ B. ☒  
NON-COMMUNITY C. ☐ D. ☒

02 STATUS

ENDANGERED AFFECTED MONITORED  
A. ☒ B. ☐ C. ☐  
D. ☒ E. ☐ F. ☐

03 DISTANCE TO SITE

A. .75 (mi)  
B. .5 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING

☒ B. DRINKING  
(Other sources available)

COMMERCIAL, INDUSTRIAL, IRRIGATION  
(No other water sources available)

☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION  
(Limited other sources available)

☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER > 10000

03 DISTANCE TO NEAREST DRINKING WATER WELL .5 (mi)

04 DEPTH TO GROUNDWATER

< 20 (ft)

05 DIRECTION OF GROUNDWATER FLOW

South-Southeast

06 DEPTH TO AQUIFER  
OF CONCERN

20' (ft)

07 POTENTIAL YIELD  
OF AQUIFER

(gpd)

08 SOLE SOURCE AQUIFER

☐ YES ☒ NO

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)

Wells in the area, which range from 65 to over 400 feet deep are used for both drinking and industrial purposes. Most wells draw from the unnamed aquifer consisting of pre-Cambrium granites and gniesses.

10 RECHARGE AREA

☐ YES COMMENTS  
☐ NO

11 DISCHARGE AREA

☐ YES COMMENTS  
☐ NO

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION  
DRINKING WATER SOURCE

☐ B. IRRIGATION, ECONOMICALLY  
IMPORTANT RESOURCES

☐ C. COMMERCIAL, INDUSTRIAL

☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:

AFFECTED

DISTANCE TO SITE

Wanaque Reservoir

☐

1.5

(mi)

Kearfott Lake (Upper Twin Lake)

☐

50 ft

(mi)

☐

(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE

A. > 3000  
NO. OF PERSONS

TWO (2) MILES OF SITE

B. > 5000  
NO. OF PERSONS

THREE (3) MILES OF SITE

C. > 10000  
NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

.25 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

04 DISTANCE TO NEAREST OFF-SITE BUILDING

.25 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The towns of Bloomingdale, Pompton Lakes and Wanaque are all within three miles of the site. Each of these towns has approximately 5000 people. Bloomingdale and Pompton Lakes would be considered downgradient from the site.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE NJD 02 SITE NUMBER 980772024

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A.  $10^{-9}$  -  $10^{-8}$  cm/sec ☐ B.  $10^{-4}$  -  $10^{-6}$  cm/sec ☐ C.  $10^{-4}$  -  $10^{-3}$  cm/sec ☒ D. GREATER THAN  $10^{-3}$  cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than  $10^{-9}$  cm/sec) ☒ B. RELATIVELY IMPERMEABLE ( $10^{-4}$  -  $10^{-6}$  cm/sec) ☐ C. RELATIVELY PERMEABLE ( $10^{-2}$  -  $10^{-4}$  cm/sec) ☐ D. VERY PERMEABLE (Greater than  $10^{-2}$  cm/sec)

03 DEPTH TO BLDROCK

\_\_\_\_ (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

\_\_\_\_ (ft)

05 SOIL pH

\_\_\_\_

06 NET PRECIPITATION

12 (in)

07 ONE YEAR 24 HOUR RAINFALL

2.75 (in)

08 SLOPE

SITE SLOPE

5.7 %

DIRECTION OF SITE SLOPE

North to South

TERRAIN AVERAGE SLOPE

5.7 %

09 FLOOD POTENTIAL

SITE IS IN \_\_\_\_ YEAR FLOODPLAIN

10

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (to water minimum)

ESTUARINE

OTHER

A. \_\_\_\_ (mi)

B. \_\_\_\_ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

N/A (mi)

ENDANGERED SPECIES: None

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS; NATIONAL/STATE PARKS,  
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS  
PRIME AG LAND AG LAND

A. 500 ft (mi)

B. .25 (mi)

C. NA (mi) D. NA (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site slopes drastically from the northern edge to the southern boundary on Union Ave. On both the east and west sides of the landfill are steep cliffs which rise approximately 50 feet above the landfill. The entire area consists of small mountains with steep slopes. Most of the drainage in the area appears to be to the south.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NJDEP/Hazardous Waste Management/Bureau of Planning and Assessment  
Preliminary Assessment and Observation.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE NJD 02 SITE NUMBER 980772024

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	4 on site 4 off site	Nanco Labs, New York	
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
OVA-FID	During presampling assessments conducted by BPA personnel soil gas
HNu-PID	readings ranged from background to greater than 1000 on the OVA
	and from background to greater than 200 on the HNu. Background
	readings of .1 ppm as benzene on the HNu and 1 ppm as methane on
	the OVA were determined off the site.

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF NJDEP/DWM/BPA <small>(Name of organization or individual)</small>
03 MAPS <input type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (List specific references, e.g., state files, sample analysis, reports)

NJDEP/HWM/BPA - Site inspection information.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE NJD 02 SITE NUMBER 980772024

II. CURRENT OWNER(S)

PARENT COMPANY (If applicable)

01 NAME Passaic County Board of Ed.		02 D+B NUMBER		08 NAME		09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 45 Reinhardt Road		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE		
05 CITY Wayne		06 STATE NJ	07 ZIP CODE 07470-2299		12 CITY		13 STATE NJ	14 ZIP CODE 07470-2299
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

IV. REALTY OWNER(S) (If applicable, list most recent first)

01 NAME Wanaque Borough		02 D+B NUMBER		01 NAME		02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.) Ringwood Ave.		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		
05 CITY Wanaque		06 STATE NJ	07 ZIP CODE 07465		05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		
05 CITY		06 STATE	07 ZIP CODE		05 CITY		06 STATE	07 ZIP CODE

V. SOURCE OF INFORMATION (See specific references, e.g., state fees, sample analysis, reports)

NJDEP/HWM/BPA - preliminary assessment.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE NJD 02 SITE NUMBER 980772024

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (if applicable)			
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
Passaic County Board of Ed.							
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
45 Reinhardt Ave.							
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
Wayne		NJ	07470-2299				
08 YEARS OF OPERATION		09 NAME OF OWNER					
Currently not		in use					
III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)			
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
Wanaque Borough							
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
Ringwood Ave							
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
Wanaque		NJ	07465				
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
1960's - 1981		Wanaque Borough					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)							
NJDEP/HWM/BPA - preliminary assessment.							



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NJ 980772024

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NJ 980772024

II. PAST RESPONSE ACTIVITIES

01 <input type="checkbox"/> A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> L. ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY
01 <input type="checkbox"/> Q. SURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	03 AGENCY



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE NJD 02 SITE NUMBER 980772024

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ S. CAPPING/COVERING  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ T. BULK TANKAGE REPAIRED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ U. GROUT CURTAIN CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ V. BOTTOM SEALED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ W. GAS CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

A trench was excavated around the school to try to alleviate explosive levels of methane which were recorded during construction on the school. However this measure was ineffective.

01 ☐ X. FIRE CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ Y. LEACHATE TREATMENT  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ Z. AREA EVACUATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ 1. ACCESS TO SITE RESTRICTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ 2. POPULATION RELOCATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ 3. OTHER REMEDIAL ACTIVITIES  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, multiple analyses, reports)

NJDEP/HWM/BPA - preliminary assessment.





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NJD	980772024

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

Violations were issued to the Board of Education in 1987 by the NJDEP/Division of Water Resources for failure to monitor wells according to the NJPDES permit and for not properly maintaining the wells. Construction of the school was halted for a second time in 1983 due to the failure of the Board of Education to obtain a disruption permit.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NJDEP/HWM/BPA - preliminary assessment.